## Civil Report Card On GPS Performance February 2009

Operational Performance Parameter	CY 2008	Jan 2009	Feb 2009	Long term	Short term
Availability Parameters					
Average Number of satellites usable	30.48	30.99	30.96	<b>^</b>	•
Average number of satellites usable in primary slots	23.95 (99.80%)	23.99 (99.96%)	23.99 (99.94%)	<b>^</b>	<b>→</b>
Average availability of 6 satellites in view	99.99%	100%	100%	<b>^</b>	<b>→</b>
	9.99% Horizontal L	OOP			
Area Median	1.8	1.4	1.4	<b>^</b>	<b>→</b>
Worst Site	5.8	4.2	3.9	<b>^</b>	<b>^</b>
	99.99% Vertical Do			ı	
Area Median	3.3	2.4	2.6	1	Ψ
Worst Site	17.6	7.5	7.2	<u> </u>	<u> </u>
	9% Position DOP (	,			_
Area Median	3.6	2.8	2.9	1	<b>→</b>
Worst Site	18.3	8.3	7.9	T	T
Accuracy Parameters	le Frequency User	Panga Erra	u		
Constellation Median	1.72	1.80	1.81	<u> </u>	_
Worst Satellite	2.14	2.62	2.50	<u> </u>	<u> </u>
	95% Horizontal Eri	_	2.00	•	
Area Median	2.36	2.23	2.31	<b>^</b>	Ψ
Worst Site	3.35	2.80	3.15	<b>^</b>	<b>↓</b>
Availability (% <4.5m (historical 3- sigma))	99.77%	99.91%	99.95%	<b>^</b>	<b>^</b>
	95% Vertical Erro	or			
Area Median	4.46	4.53	4.46	<b>→</b>	<u>^</u>
Worst Site	4.95	5.41	5.23	•	<b>^</b>
Availability (% < 9m (historical 3- sigma))	99.94%	99.93%	99.91%	<b>^</b>	•

Key: ↑ improving ♥ worsening → no significant change Long Term is current month vs. prior 24 months; Short Term is current month vs. prior month

Compiled from WAAS network as requested by the Defense Science Board

North America GPS PDOP 99.99% Index February 2009







